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## NOTICE OF ALLOWANCE AND FEE(S) DUE

52349 7590 03/18/2011  
WENDEROTH, LIND & PONACK L.L.P.  
1030 15th Street, N.W.  
Suite 400 East  
Washington, DC 20005-1503

EXAMINER

BELANI, KISHIN G

ART UNIT

PAPER NUMBER

2443

DATE MAILED: 03/18/2011

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/591,163

08/30/2006

Naonori Kato

2006\_1427A

6037

TITLE OF INVENTION: UI DISPLAY APPARATUS AND UI DISPLAY METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/20/2011

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.**

**THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.**

### HOW TO REPLY TO THIS NOTICE:

#### I. Review the SMALL ENTITY status shown above.

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B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**

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(Depositor's name)
(Signature)
(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/591,163	08/30/2006	Naonori Kato	2006_1427A	6037
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TITLE OF INVENTION: UI DISPLAY APPARATUS AND UI DISPLAY METHOD

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
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nonprovisional	NO	\$1510	\$300	\$0	\$1810	06/20/2011
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EXAMINER	ART UNIT	CLASS-SUBCLASS
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BELANI, KISHIN G	2443	709-224000
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1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
- ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. **Use of a Customer Number is required.**

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively, 1 \_\_\_\_\_
- (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 2 \_\_\_\_\_
- 3 \_\_\_\_\_

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY)

Please check the appropriate assignee category or categories (will not be printed on the patent) : ☐ Individual ☐ Corporation or other private group entity ☐ Government

4a. The following fee(s) are submitted:

- ☐ Issue Fee
- ☐ Publication Fee (No small entity discount permitted)
- ☐ Advance Order - # of Copies \_\_\_\_\_

4b. Payment of Fee(s); (Please first reapply any previously paid issue fee shown above)

- ☐ A check is enclosed.
- ☐ Payment by credit card. Form PTO-2038 is attached.
- ☐ The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_ (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

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Authorized Signature \_\_\_\_\_ Date \_\_\_\_\_

Typed or printed name \_\_\_\_\_ Registration No. \_\_\_\_\_

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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10/591,163	08/30/2006	Naonori Kato	2006_1427A	6037

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EXAMINER

BELANI, KISHIN G

ART UNIT PAPER NUMBER

2443

DATE MAILED: 03/18/2011

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 834 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 834 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (<http://pair.uspto.gov>).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

## Privacy Act Statement

**The Privacy Act of 1974 (P.L. 93-579)** requires that you be given certain information in connection with your submission of the attached form related to a patent application or patent. Accordingly, pursuant to the requirements of the Act, please be advised that: (1) the general authority for the collection of this information is 35 U.S.C. 2(b)(2); (2) furnishing of the information solicited is voluntary; and (3) the principal purpose for which the information is used by the U.S. Patent and Trademark Office is to process and/or examine your submission related to a patent application or patent. If you do not furnish the requested information, the U.S. Patent and Trademark Office may not be able to process and/or examine your submission, which may result in termination of proceedings or abandonment of the application or expiration of the patent.

The information provided by you in this form will be subject to the following routine uses:

1. The information on this form will be treated confidentially to the extent allowed under the Freedom of Information Act (5 U.S.C. 552) and the Privacy Act (5 U.S.C. 552a). Records from this system of records may be disclosed to the Department of Justice to determine whether disclosure of these records is required by the Freedom of Information Act.
2. A record from this system of records may be disclosed, as a routine use, in the course of presenting evidence to a court, magistrate, or administrative tribunal, including disclosures to opposing counsel in the course of settlement negotiations.
3. A record in this system of records may be disclosed, as a routine use, to a Member of Congress submitting a request involving an individual, to whom the record pertains, when the individual has requested assistance from the Member with respect to the subject matter of the record.
4. A record in this system of records may be disclosed, as a routine use, to a contractor of the Agency having need for the information in order to perform a contract. Recipients of information shall be required to comply with the requirements of the Privacy Act of 1974, as amended, pursuant to 5 U.S.C. 552a(m).
5. A record related to an International Application filed under the Patent Cooperation Treaty in this system of records may be disclosed, as a routine use, to the International Bureau of the World Intellectual Property Organization, pursuant to the Patent Cooperation Treaty.
6. A record in this system of records may be disclosed, as a routine use, to another federal agency for purposes of National Security review (35 U.S.C. 181) and for review pursuant to the Atomic Energy Act (42 U.S.C. 218(c)).
7. A record from this system of records may be disclosed, as a routine use, to the Administrator, General Services, or his/her designee, during an inspection of records conducted by GSA as part of that agency's responsibility to recommend improvements in records management practices and programs, under authority of 44 U.S.C. 2904 and 2906. Such disclosure shall be made in accordance with the GSA regulations governing inspection of records for this purpose, and any other relevant (i.e., GSA or Commerce) directive. Such disclosure shall not be used to make determinations about individuals.
8. A record from this system of records may be disclosed, as a routine use, to the public after either publication of the application pursuant to 35 U.S.C. 122(b) or issuance of a patent pursuant to 35 U.S.C. 151. Further, a record may be disclosed, subject to the limitations of 37 CFR 1.14, as a routine use, to the public if the record was filed in an application which became abandoned or in which the proceedings were terminated and which application is referenced by either a published application, an application open to public inspection or an issued patent.
9. A record from this system of records may be disclosed, as a routine use, to a Federal, State, or local law enforcement agency, if the USPTO becomes aware of a violation or potential violation of law or regulation.

<b>Notice of Allowability</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/591,163	KATO ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	KISHIN G. BELANI	2443	

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to amendment filed 12/14/2010 and RCE filed 01/19/2011.
2. ☒ The allowed claim(s) is/are 1,4-9,12-16 and 18.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☒ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☒ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
  - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.

**Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).**
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

- |  |   |
|--|---|
| <ol style="list-style-type: none"> <li>1. <input type="checkbox"/> Notice of References Cited (PTO-892)</li> <li>2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>3. <input checked="" type="checkbox"/> Information Disclosure Statements (PTO/SB/08),<br/>Paper No./Mail Date <u>02/02/2011</u></li> <li>4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit of Biological Material</li> </ol> | <ol style="list-style-type: none"> <li>5. <input type="checkbox"/> Notice of Informal Patent Application</li> <li>6. <input type="checkbox"/> Interview Summary (PTO-413),<br/>Paper No./Mail Date _____.</li> <li>7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment</li> <li>8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance</li> <li>9. <input type="checkbox"/> Other _____.</li> </ol> |
|--|---|

/PHUOC NGUYEN/  
Primary Examiner, Art Unit 2443

/K. G. B./  
Examiner, Art Unit 2443

### **DETAILED ACTION**

This action is in response to Applicants' amendment filed on 12/14/2010.

**Independent claims 1 and 9 have been amended.** Claims 1, 4-9, 12-16 and 18 are now pending in the present application. These amended claims are deemed allowable by the examiner.

### ***EXAMINER'S AMENDMENT***

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Andrew L. Dunlap, registration number 60,554, on 03/10/2011, and confirmed by an e-mail sent to the examiner.

Claims 1, 4-9, 12-16 and 18 have been amended as follows:

The word "UI" in each of these claims has been replaced by -- User Interface --.

Thus, after the Examiner's Amendment, the allowed claims will be as listed below:

Claim 1 (Currently Amended)

A [[UI]] user interface display apparatus that displays, on a screen, an icon representing a device connected to a network, said [[UI]] user interface display apparatus comprising: a recording unit in which display judgment information is recorded, the display judgment information indicating whether or not information should be displayed on the screen; a communication unit operable to communicate with another device connected to the

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network;

an obtainment unit operable to obtain, via said communication unit, device-related information related to the device connected to the network;

a judgment unit operable to compare the device-related information obtained by said obtainment unit with the display judgment information recorded in said recording unit, and operable to judge whether or not the device-related information is identified in the display judgment information;

a display unit operable to display the device-related information obtained via said communication unit, when said judgment unit judges that the device-related information is identified in the display judgment information; and

a communication status recording unit operable to record a communication status for each communication protocol of a plurality of communication protocols, when said communication unit carries out a communication using at least one communication protocol of the plurality of communication protocols, wherein the display judgment information recorded in said recording unit includes, in a hierarchical format, (i) a plurality of pieces of device type information, each piece of the plurality of pieces of device type information identifying a type of a device connected to the network, and (ii) a plurality of pieces of device information, each piece of the plurality of pieces of device information identifying information about the device for which the type is identified by a corresponding piece of the device type information of the plurality of pieces of device type information, wherein the device-related information obtained by said obtainment unit is in a hierarchical format, wherein said judgment unit repeats the judgment by comparing the display judgment information having the hierarchical format and the device-related information having the hierarchical format, starting from a higher layer of the hierarchical format of the display judgment information and continuing to a lower layer of the hierarchical format of the display judgment information, wherein said judgment unit judges, in the higher layer of the hierarchical format of the display judgment information, whether or not the device-related information is identified in the display judgment information, wherein, when the device-related information is judged by said judgment unit to be identified in the higher layer of the hierarchical format of the display judgment information, said judgment unit judges, in the lower layer of the hierarchical format of the display judgment information, whether or not the device-related information is identified in the display judgment information, and wherein said display unit changes an icon displayed thereon corresponding to the device-related information, the icon being displayed in association with a layer of the device-related information in the hierarchical format judged, by said judgment unit, as being identified in the display judgment information.

Claim 2 (Cancelled)

Claim 3 (Cancelled)

Claim 4 (Previously Presented) The [[UI]] user interface display apparatus according to Claim 1, further comprising an authentication unit operable to authenticate whether or

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not the device-related information obtained by said obtainment unit has been sent from an authorized device, the authentication unit performing the authentication using an identifier to identify the device, such that, when the device-related information is authenticated as being sent from the authorized device, the device-related information is determined to be valid, wherein said display unit displays the device-related information when the device-related information is determined to be valid.

Claim 5 (Previously Presented) The [[UI]] user interface display apparatus according to Claim 1,

wherein said obtainment unit obtains the device-related information via said communication unit, using at least one or a combination of the plurality of communication protocols, and

wherein said display unit performs the display of the device-related information in accordance with the communication status, for the at least one or the combination of the plurality of communication protocols, recorded in said communication status recording unit and the device-related information obtained by said obtainment unit.

Claim 6 (Previously Presented) The [[UI]] user interface display apparatus according to Claim 5, wherein the display of the device-related information is a display of one of an icon display and a text display, and wherein said display unit displays one of the icon display and the text display that corresponds to the device-related information, when said judgment unit judges that the device-related information is identified in the display judgment information.

Claim 7 (Previously Presented) The [[UI]] user interface display apparatus according to Claim 5, wherein the display of the device-related information is a display of one of an icon display and a text display, and wherein said display unit displays one of the icon display and the text display differently for each communication status recorded for each communication protocol of the plurality of communication protocols, when said judgment unit judges that the device-related information is identified in the display judgment information.

Claim 8 (Previously Presented) The [[UI]] user interface display apparatus according to Claim 1, further comprising an input update unit through which a user selects the display judgment information recorded in said recording unit and inputs and updates the selected display judgment information.

Claim 9 (Currently Amended)

A [[UI]] user interface display method for use with a [[UI]] user interface display apparatus

that displays, on a screen, an icon representing a device connected to a network, said [[UI]] user interface display method comprising:

a recording step of recording display judgment information indicating whether or not



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information should be displayed on the screen;  
a communication step of communicating with another device connected to the network;  
an obtainment step of obtaining, via said communication step, device-related information related to the device connected to the network;  
a judgment step of comparing the device-related information obtained in said obtainment step with the display judgment information recorded in said recording step, and judging whether or not the device-related information is identified in the display judgment information;  
a display step of displaying the device-related information obtained via said communication step, when said judgment step judges that the device-related information is identified in the display judgment information; and  
a communication status recording step of recording a communication status for each communication protocol of a plurality of communication protocols, when said communication step carries out a communication using at least one communication protocol of the plurality of communication protocols,  
wherein the display judgment information recorded in said recording step includes, in a hierarchical format, (i) a plurality of pieces of device type information, each piece of the plurality of pieces of device type information identifying a type of a device connected to the network, and (ii) a plurality of pieces of device information, each piece of the plurality of pieces of device information identifying information about the device for which the type is identified by a corresponding piece of the device type information of the plurality of pieces of device type information, wherein the device-related information obtained by said obtainment step is in a hierarchical format, wherein said judgment step repeats the judgment by comparing the display judgment information having the hierarchical format and the device-related information having the hierarchical format, starting from a higher layer of the hierarchical format of the display judgment information and continuing to a lower layer of the hierarchical format of the display judgment information, wherein said judgment step judges, in the higher layer of the hierarchical format of the display judgment information, whether or not the device-related information is identified in the display judgment information, wherein, when the device-related information is judged by said judgment step to be identified in the higher layer of the hierarchical format of the display judgment information, said judgment step judges, in the lower layer of the hierarchical format of the display judgment information, whether or not the device-related information is identified in the display judgment information, and wherein said display step changes an icon displayed thereon corresponding to the device-related information, the icon being displayed in association with a layer of the device-related information in the hierarchical format judged, by said judgment step, as being identified in the display judgment information.

Claim 10 (Cancelled)

Claim 11 (Cancelled)

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Claim 12 (Previously Presented) The [[UI]] user interface display method according to Claim 9, further comprising an authentication step of authenticating whether or not the device-related information obtained in said obtainment step has been sent from an authorized device, said authentication step performing the authentication using an identifier to identify the device, such that, when the device-related information is authenticated as being sent from the authorized device, the device-related information is determined to be valid, wherein, in said display step, the device-related information is displayed when the device-related information is determined to be valid.

Claim 13 (Previously Presented) The [[UI]] user interface display method according to Claim 9, wherein, in said obtainment step, the device-related information is obtained via said communication step, using at least one or a combination of the plurality of communication protocols, and wherein, in said display step, the display of the device-related information is performed in accordance with the communication status, for the at least one or the combination of the plurality of communication protocols, recorded in said communication status recording step and the device-related information obtained in said obtainment step.

Claim 14 (Previously Presented) The [[UI]] user interface display method according to Claim 13, wherein the display of the device-related information is a display of one of an icon display and a text display, and wherein, in said display step, one of the icon display and the text display that corresponds to the device-related information is performed, when said judgment step judges that the device-related information is identified in the display judgment information.

Claim 15 (Previously Presented) The [[UI]] user interface display method according to Claim 13, wherein the display of the device-related information is a display of one of an icon display and a text display, and wherein, in said display step, one of the icon display and the text display is performed differently for each communication status recorded for each communication protocol of the plurality of communication protocols, when said judgment step judges that the device-related information is identified in the display judgment information.

Claim 16 (Previously Presented) The [[UI]] user interface display method according to Claim 9, further comprising an input update step through which a user selects the display judgment information recorded in said recording step and inputs and updates the selected display judgment information.

Claim 17 (Cancelled)

Claim 18 (Previously Presented) A non-transitory computer-readable recording medium storing a program thereon, the program causing a computer to execute the method of claim 9.

***Allowable Subject Matter***

**Amended claims 1 and 9 are allowable.** The following is a statement of reasons for the indication of allowable subject matter:

Consider **claims 1 and 9**. None of the prior art of the record teaches or fairly suggests all of the claimed limitation of the invention. The best prior art found during the examination of the present application, **Beecroft (U.S. Patent Publication # 6,760,415 B2)** in view of **Choi (US Patent Application Publication # 2004/0150546 A1)** and further in view of **Takahashi, Hiroyuki (European Patent Application Publication # EP 1 028 368 A2)** and further in view of **Humpleman et al. (US Patent Application Publication # 2010/0070868 A1)** and further in view of **Mitra (U.S. Patent Publication # 7,412,701 B1)** fail to specifically disclose the amended claim limitation of the “said judgment unit, judges, in the higher layer of the hierarchical format of the display judgment information, whether or not the device-related information is identified in the display judgment information, wherein, when the device-related information is judged to be identified in the higher layer of the hierarchical format of the display judgment information, the display judgment unit then judges, in the lower layer of the hierarchical format of the display judgment information to determine whether or not the device-related information is further identified in the display judgment information”.

Since all the features of amended **claims 1 and 9** are not disclosed by any of the best available prior art, either alone or in any combination, the examiner considers **claims 1 and 9 to be novel and non-obvious and therefore allowable.**

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**Dependent claims 4-8, 12-16 and 18 are also allowable** because they inherit all the limitations of their **allowable base claims 1 and 9**.

### ***Conclusion***

Any response to this Office Action should be **faxed to** (571) 273-8300 **or mailed to:**

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Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Kishin G. Belani whose telephone number is (571) 270-1768. The Examiner can normally be reached on Monday-Friday from 6:00 am to 5:00 pm.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Tonia Dollinger can be reached on (571) 272-4170. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist/customer service whose telephone number is (571) 272-0800.

*/K. G. B./*  
*Examiner, Art Unit 2443*

*March 9, 2011*

/PHUOC NGUYEN/  
Primary Examiner, Art Unit 2443